IN THE CLAIMS:

Claims 1-4, and 6-27 have been amended herein. All of the pending claims 1 through 27 are presented below. This listing of claims will replace all prior versions and listings in the application. Please enter these claims as amended.

- 1. (Currently Amended) A system for applying adhesively coated material to at least a first portion and a second portion of a semiconductor die mounting site of a first leadframe and and a second leadframe of a plurality of leadframes for attachment of a semiconductor device thereto in a wire bonding apparatus, said the system comprising:
- a first source for supplying a first length of adhesively coated material at a first location of-said the at least a first portion of-said the semiconductor die mounting site of-said the first leadframe of-said the plurality of leadframes form-in a continuous manner;
- a second source for supplying a second length of adhesively coated material at-a the second location of said the at least a second portion of a semiconductor die mounting site of-a the second leadframe of-said the plurality of leadframes in a continuous manner; indexing apparatus including:

apparatus for moving-said_the plurality of leadframes relative to-said_an application
apparatus in a single leadframe by single leadframe movement of said plurality of
leadframes in a continuous manner; and

application apparatus for receiving-said the plurality of leadframes in a leadframe-by-leadframe sequence in a continuous manner, said the plurality of leadframes having a removable portion for engagement by a portion of said the application apparatus, said the application apparatus for receiving-said the first length of adhesively coated material at-said the first location of said the at least a first portion of said the semiconductor die mounting site of said the first leadframe of said the plurality of leadframes and for receiving said the second location of said the at least a portion of said the semiconductor die mounting site of said the second leadframe of said the plurality of leadframes, said the application apparatus having cutting apparatus for

cutting a first increment of said the first length of adhesively coated material and for applying said the first increment to the first location of said the at least a first portion of said the semiconductor die mounting site of said the first leadframe of said the plurality of leadframes upon indexing to said the first location and for cutting a second increment of said the second length of adhesively coated material and applying said the second increment to said the second location of said the at least a second portion of said the semiconductor die mounting site of said the second leadframe of said the plurality of leadframes upon indexing to said the second location, said the application apparatus including:

- a first cutting structure located at the first location having a first cutting die, the first cutting structure for receiving-said the first length of-said the adhesively coated material and for receiving-said the first cutting-die die, the first cutting die movable relative to-said the first cutting structure for receiving-said the first length of-said the adhesively coated material;
- operation apparatus-positioned positionable to move-said the first cutting die relative to said the first cutting structure for forming-said the first increment and for urging said the first increment against-said the first location of said the at least a first portion of-said the semiconductor die mounting site of-said the first leadframe of said the plurality of-leadframe leadframes;
- a second cutting structure located at the second location having a second cutting die, said the second cutting die structure configured for receiving said the second length of said the adhesively coated material and for receiving said the second cutting die, the second cutting die movable relative to said the second cutting structure for receiving said the second length of said the adhesively coated material; and operation apparatus positioned to move said the second cutting die relative to said the second cutting structure for forming said the second increment and for urging said the second increment and for urging said the second increment against said the second location of said the at least a second

portion of-said the semiconductor die mounting site of-said the-first second leadframe of-said the plurality of-leadframe leadframes.

- 2. (Currently Amended) The system of claim 1, wherein-said the first source includes:
- a first adhesively coated material supply for supplying said the first length of adhesively coated material.
- 3. (Currently Amended) The system of claim 2, wherein-said the second source includes:
- a second adhesively coated material supply for supplying said the second length of adhesively coated material.
- 4. (Currently Amended) The system of claim 1, wherein-said the application apparatus includes apparatus for receiving a plurality of leadframes connected together-one-to another.
- 5. (Original) The system of claim 4, wherein-said the application apparatus further includes apparatus for receiving and for positioning a plurality of leadframes having a removable edge with drive perforations formed therein.
- 6. (Currently Amended) The system of claim 5, further comprising a controller in electrical communication with-said the operation apparatus for sending and receiving operation signals thereto, and wherein-said the operation apparatus includes:
- a first die moving mechanism positioned relative to-said the first cutting die for moving said the first cutting die toward a leadframe of-said the plurality of leadframes, said the first die moving mechanism being in electrical communication with said the controller for receiving said the operation signals therefrom to cause said the first die moving

mechanism to move said the first cutting die toward said the leadframe of said the plurality of leadframes.

- 7. (Currently Amended) The system of claim 6, wherein-said the first die moving mechanism includes: a solenoid mechanism positioned for moving said the first cutting die.
- 8. (Currently Amended) The system of claim 1, wherein-said the application apparatus <u>further</u> includes:
- a block positioned opposite-said the first cutting die with-said the first leadframe of said the plurality of leadframes positioned between-said the block and said the first cutting die for inhibiting movement of said the first leadframe of said the plurality of leadframes upon movement of said the first cutting die against said the first leadframe of said the plurality of leadframes.
- 9. (Currently Amended) The system of claim 8, wherein said the block is sized for positioning opposite both said the first cutting die and said the second cutting die having a leadframe of said the plurality of leadframes positioned between said the block and said the first cutting die and having a leadframe of said the plurality of leadframes positioned between said the block and said the second cutting die for inhibiting movement of said the plurality of leadframes upon movement of said the first cutting die and said the second cutting die against said the leadframe of said the plurality of leadframes.
- 10. (Currently Amended) The system of claim 8, wherein-said the block includes: heat apparatus for heating-said the block, said the first increment contacting-said the first leadframe of said the plurality of leadframes, and said the second increment contacting said the second leadframe of said the plurality of leadframes.

- 11. (Currently Amended) The system of claim 1, wherein said the application apparatus includes:
- a first guide for-said the first length of adhesively coated material and a second guide for-said the second length of adhesively coated material.
- 12. (Currently Amended) The system of claim 1, wherein-said the first cutting structure and said the second cutting structure are connected.
- 13. (Currently Amended) The system of claim 1, wherein-said the operation apparatus is configured for urging-said the first cutting die and-said the second cutting die to move separately and independently.
- leadframes includes a first leadframe, a middle leadframe and a last leadframe, and wherein-said the indexing apparatus includes apparatus for urging-said the first leadframe to the first location of said the at least a first portion of said the semiconductor die mounting site with its the first location positioned relative to-said the semiconductor die mounting site to receive said the first increment upon activation of said the first source and with its the second location of the die mounting site thereof positioned to not be contacted by said the second cutting die, wherein-said the controller is in electrical communication with-said the first source and source and is for electrically sending operation signals for activating said the first source to supply said the first length of adhesively coated material to-said the first cutting structure and not activating said the second source.
- 15. (Currently Amended) The system of claim 14, wherein-said the indexing apparatus includes apparatus for urging-said the middle leadframe to have its a first location of said at least a first portion of said a semiconductor die mounting site thereof positioned relative to said the first cutting die for receiving-said the first increment upon activation of said the first

source and-said the first cutting die and thereafter for urging-said the middle leadframe to have its a second location of-said the semiconductor die mounting site thereof positioned relative to-said the second cutting die for receiving-said the second increment upon activation of-said the second source and-said the second cutting die, and wherein-said the controller is for electrically sending operation signals for activating-said the first source to supply-said the first length of adhesively coated material to-said the first cutting structure and for activating-said the second source to supply-said the second length of adhesively coated material to-said the second cutting structure.

- 16. (Currently Amended) The system of claim 15, wherein-said the indexing apparatus further includes apparatus for urging-said the last leadframe to be positioned with-its a second location of said a semiconductor die mounting site thereof positioned relative to-said the second cutting die for receiving said the second increment upon activation of said the second source and said the second cutting die, with-its a first location of said the semiconductor die mounting site thereof positioned to not be contacted by-said the first cutting die, and wherein-said the controller includes apparatus for electrically sending operation signals to activate-said the second source to supply-said the second length of adhesively coated material to-said the second cutting structure and to not activate-said the first source.
- 17. (Currently Amended) The system of claim 16, wherein-said the indexing apparatus further includes apparatus for urging-said the first leadframe, said the middle leadframe and-said the last leadframe for moving continuously in sequence.
- 18. (Currently Amended) A system for applying adhesively coated material to a portion of a semiconductor die mounting site of a leadframe of a plurality of leadframes for semiconductor devices comprising:
- a first source for supplying a first length of adhesively coated material at a first location of said the portion of said the semiconductor die mounting site of said the leadframe of said the plurality of leadframes in a continuous manner;

- a second source for supplying a second length of adhesively coated material at a second location of said the portion of said the semiconductor die mounting site of said the leadframe of said the plurality of leadframes in a continuous manner;
- indexing apparatus for supplying-said the plurality of leadframes for semiconductor devices in a leadframe-by-leadframe sequence at-a the first location and-a the second location of-said the portion of-said the semiconductor die mounting site,-said the indexing apparatus including apparatus for urging-said the plurality of leadframes in a desired position for application of adhesively coated material;
- application apparatus for receiving-said the plurality of leadframes for semiconductor devices in a the leadframe-by-leadframe sequence, for receiving-said the first length of adhesively coated material at the first location of-said the portion of-said the semiconductor die mounting site and for receiving-said the second length of adhesively coated material at the second location of-said the portion of-said the semiconductor die mounting site,-said the application apparatus having cutting apparatus for cutting a first increment of-said the first length of adhesively coated material and for applying-said the first increment to the first location of-said the portion of-said the semiconductor die mounting site of-said the leadframe of-said the plurality of leadframes and for cutting a second increment of-said the second length of adhesively coated material and for applying-said the second increment to the second location of-said the portion of-said the semiconductor die mounting site of-said the leadframe of-said the plurality of leadframes after the leadframe of-said the plurality of leadframes has been subsequently indexed to the second location, said the application apparatus including apparatus for receiving a plurality of leadframes connected together-one to another; and
- control apparatus for electrical communication with-said the indexing apparatus and for supplying operation signals thereto to supply-said the plurality of leadframes for semiconductor devices in-said the leadframe-by-leadframe sequence to-said the application apparatus to position the first location of-said the portion of-said the semiconductor die mounting site and the second location of-said the portion of-said the

semiconductor die mounting site to receive-said the first increment and-said the second increment, respectively; for operating-said the first source to cause-said the first length of adhesively coated material to be selectively supplied to-said the application apparatus when the first location of-said the portion of-said the semiconductor die mounting site is positioned to receive-said the first-increment; increment for operating said the second source to cause-said the second length of adhesively coated material to be selectively supplied to-said the application apparatus when the second location of-said the portion of-said the semiconductor die mounting site is positioned to receive-said the second-increment; increment and for operating-said the cutting apparatus to selectively cut and apply-said the first increment to the first location of-said the portion of-said the semiconductor die mounting site of-said the leadframe of-said the plurality of leadframes and to cut and apply-said the second increment to the second location of-said the plurality of leadframes after-said the leadframe of-said the plurality of leadframes has been indexed to the second location.

- 19. (Currently Amended) The system of claim 18, wherein-said the cutting apparatus includes:
- a first cutting structure having a first cutting die located at the first location, the first cutting die for movement relative to-said the first cutting structure for receiving-said the first length of-said the adhesively coated material; and
- operation apparatus positioned for moving-said the first cutting die relative to-said the first cutting structure for forming-said the first increment and for urging-said the first increment toward and against the first location of said the portion of said the semiconductor die mounting site of-said the leadframe of-said the plurality of leadframes for semiconductor devices.

- 20. (Currently Amended) The system of claim 19, wherein-said the cutting apparatus further includes:
- a second cutting structure having a second cutting die located at the second location, the second cutting die for movement relative to said the second cutting structure configured for receiving said the second length of said the adhesively coated material; and
- wherein said the operation apparatus includes apparatus for moving said the second cutting die relative to said the second cutting structure for forming said the second increment and for urging said the second increment towards and against said the second location of said the portion of said the semiconductor die mounting site of said the leadframe of said the plurality of leadframes for semiconductor devices.
- 21. (Currently Amended) The system of claim—18 20, wherein—said the operation apparatus further includes:
- a first die moving mechanism positioned relative to-said the first cutting die for urging-said the first cutting die to move toward-said the leadframe of-said the plurality of leadframes, said the first die moving mechanism being connected to-said the control apparatus for receiving-said the operation signals therefrom to cause-said the first die moving mechanism to move-said the first cutting die toward-said the leadframe of-said the plurality of leadframes.
- 22. (Currently Amended) The system of claim 21, wherein-said the application apparatus further includes:
- a block positioned opposite-said the first cutting die with-said the leadframe of-said the plurality of leadframes positioned between-said the block and said the first cutting die for inhibiting movement of-said the leadframe of-said the plurality of leadframes upon movement of-said the first cutting die against-said the leadframe of-said the plurality of leadframes.

- 23. (Currently Amended) The system of claim 22, wherein-said_the block includes apparatus for positioning opposite both-said_the first cutting die and-said_the second cutting die having-said_the leadframe of-said_the plurality of leadframes positioned between-said_the block and-said_the first cutting die and having a leadframe of-said_the plurality of leadframes positioned between-said_the block and-said_the second cutting die for inhibiting movement of-said_the plurality of leadframes upon movement of-said_the first cutting die and-said_the second cutting die against-said_the leadframe of-said_the plurality of leadframes.
- 24. (Currently Amended) The system of claim 23, wherein-said the block further includes:

heat apparatus for heating-said the block,-said the first increment, and said the second increment upon urging of same against-said the leadframe of the plurality of leadframes.

- cutting apparatus includes apparatus for receiving a plurality of leadframes including a first leadframe, a middle leadframe and a last leadframe, and wherein-said the indexing apparatus includes apparatus for urging-said the first leadframe to a first position with-the a first location of said a portion of-said the semiconductor die mounting site thereof positioned relative to-said the first cutting die for receiving said the first increment upon activation of said the first source and having-the a second location of-said the portion of-said the semiconductor die mounting site thereof positioned to not be contacted by-said the second cutting die, wherein-said the control apparatus is for electrical communication with-said the first source and-said the second source and for electrically sending operation signals for activating-said the first source to supply-said the first length of adhesively coated material to-said the first cutting structure and for not activating said the second source.
- 26. (Currently Amended) The system of claim—18_25, wherein—said_the indexing apparatus includes apparatus configured for urging—said_the middle leadframe to have its a first

location of said a portion of said a semiconductor die mounting site positioned thereof relative to said the first cutting die for receiving said the first increment upon activation of said the first source and said the first cutting die and thereafter for urging said the middle leadframe to have its a second location of said the portion of said the semiconductor die mounting site thereof positioned relative to said the second cutting die for receiving said the second increment upon activation of said the second source and said the second cutting die, and wherein said the control apparatus is for electrically sending operation signals for activating said the first source for supplying said the first length of adhesively coated material to said the first cutting structure and for activating said the second source for supplying said the second length to said the second cutting structure.

27. (Currently Amended) The system of claim 26, wherein-said the indexing apparatus further includes apparatus for urging-said the last leadframe to be positioned with-its a second location of-said a portion of-said the semiconductor die mounting site thereof positioned relative to-said the second cutting die for receiving-said the second increment upon activation of said the second source and said the second cutting die and with its a first location of said the portion of-said the semiconductor die mounting site thereof positioned for not contacting any portion thereof by-said the first cutting die, and wherein-said the control apparatus is configured for electrically sending operation signals for activating-said the second source to supply-said the second length of adhesively coated material to-said the second cutting structure and for not activating-said the first source.